FIG. 10

:TVirtualContract

Name: InterestRateSwap 001
Counterparty: ABC Bank
NotionalConvFactor: 1

LinkList

InterestRateSwap: TContract
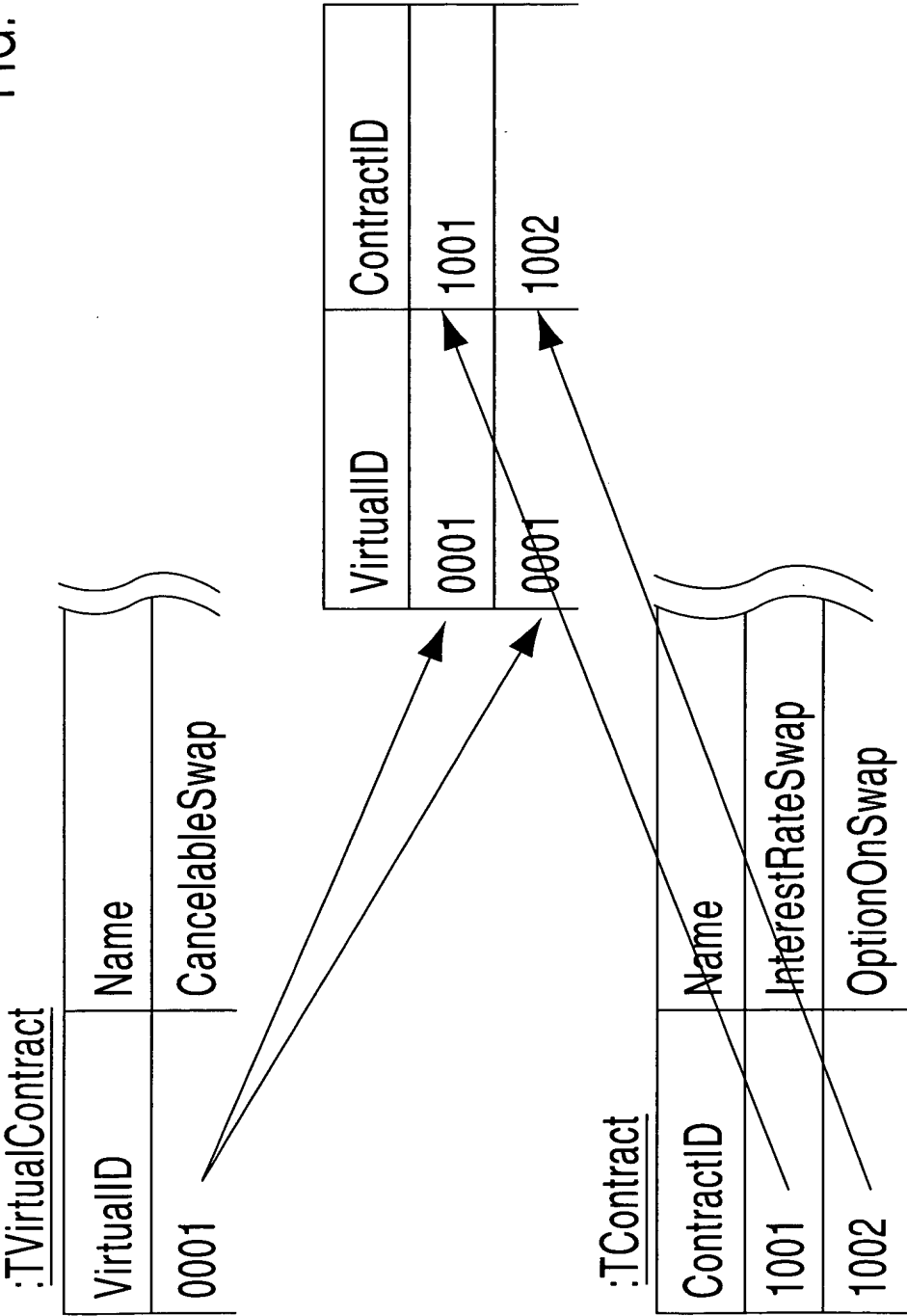
:TVirtualContract

Name: InterestRateSwap 002
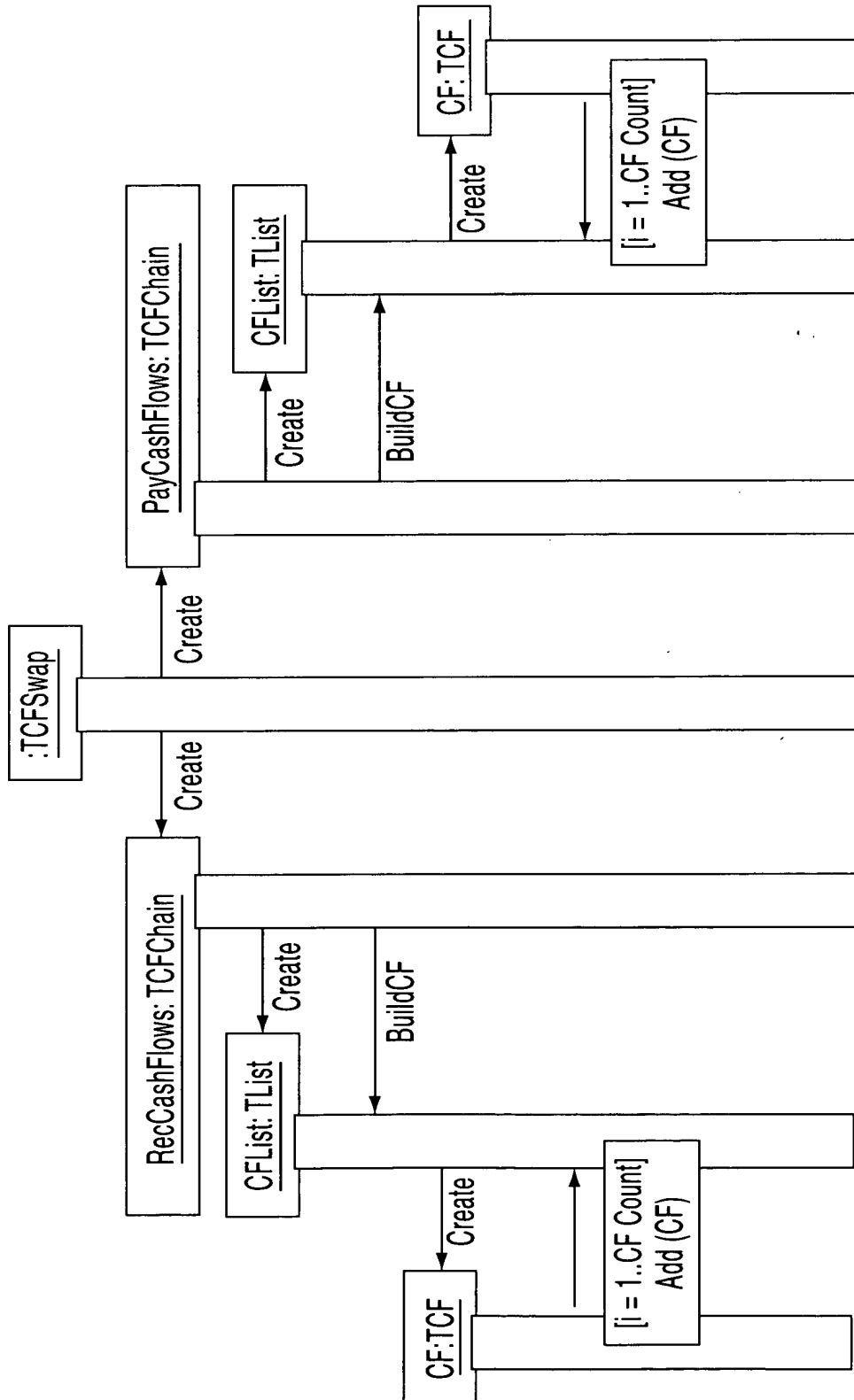Counterparty: DEF Bank
NotionalConvFactor: 2
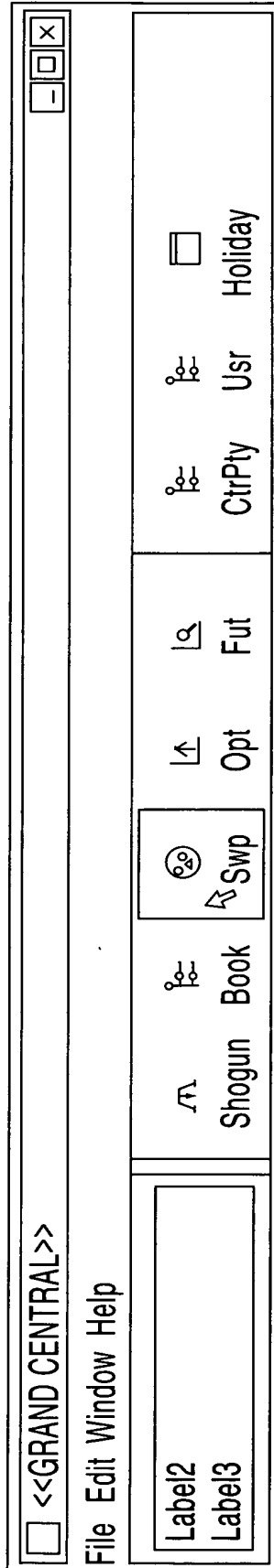
LinkList

Same address

FIG. 11

:TVirtualContract

VirtualID	Name
0001	CancelableSwap

VirtualID	ContractID
0001	1001
0001	1002

:TContract

ContractID	Name
1001	InterestRateSwap
1002	OptionOnSwap

FIG. 18

FIG. 25

<<GRAND CENTRAL>>

File Edit Window Help

Label2
Label3

Shogun Book | Swp Opt Fut | CtrPty Usr Holiday

<<GRAND CENTRAL>>

File Edit Window Help

Label2
Label3

Shogun   Book   Swp   Opt   Fut   CtrPty   Usr   Holiday

<<SWAP>>

Primary

Change Side

[Kind]

[Data Generation]
Business Day Conv
Modified

Centers Today 1998/05/21
FRK   Spot   _/_/_
HKG
LDN   Effective _/_/_
NY
PAR   □ Stub _/_/_
SYD
TKY   Maturity _/_/_
ZUR

□ EndEnd □ AdjMty

Close

Commodity / Discount
[Rec (+)]
☑ CCY

Commodity
DiscCurve

Principal Cash Flows
[Initial Pay (-) / Final Rec (+)]
−
+

Return Properties (1)
[Rec (+)]
Notional ⊙ Fixed ○ Var
⊙ Int   ○ %chg ○ Prx
□ FX
□ FL   %
30/360   Non Non
⊙ Rnd ○ Trc   @ 0.01

[Pay (-)]
☑ CCY

[Initial Rec (+) / Final Pay (-)]
+
−

Return Properties (2) Centers

Index Type
Index Value
Return Curve
DCnt/ CFq/ RFq

Round / Trunc

[Pay (-)]
Notional ⊙ Fixed ○ Var
⊙ Int   ○ %chg ○ Prx
□ FX
□ FL   %
30/360   Non Non
⊙ Rnd ○ Trc   @ 0.01

FIG.26

FIG.27

FIG. 28

FIG.29

<<GRAND CENTRAL>>
File Edit Window Help

Label2
Label3

Shogun   Book   Swp   Opt   Fut   CtrPty   Usr   Holiday

<<SWAP>>

Primary

[Kind]
JPY/JPY_SWP
Change Side

[Data Generation]
Business Day Conv
Modified
Centers   Today   1998/05/21
FRK   Spot   1998/05/25
HKG
LDN   Effective
NY   1998/05/25
PAR   Stub
SYD
TKY   / /
ZUR   Maturity
                   2002/05/25
EndEnd   AdjMty

Close

Commodity / Discount
[Rec (+)]
JPY   CCY
LIBOR & SWP   Commodity

                   DiscCurve   [Pay (-)]
                                    JPY   CCY
                                    LIBOR & SWP

Principal Cash Flows
[Initial Pay (-) / Final Rec (+)]   [Initial Rec (+) / Final Pay (-)]
                                    +
                                    -
-
+

Return Properties (1)   Return Properties (2)   Centers

[Rec (+)]
Notional   Fixed   Var   [Pay (-)]
1,000,000,000.00   JPY   Notional   Fixed   Var
+   Int   %chg   Prx   1,000,000,000.00   JPY
    FX   -   Int   %chg   Prx
    FL   FX
LIBOR & SWP   EL
Act/365 Fx   6M*   LIBOR & SWP
                   1.75627   %   Index Type   Act/360   6M*   Non
Rnd   Trc   @   0.01   Index Value

                                      Return Curve
                                      DCnt/CFq/RFq
                                      Round/Trunc
                                      Rnd   Trc   @   0.01

FIG.30

FIG.31

<<GRAND CENTRAL>>
File Edit Window Help

Label2
Magic Sheet

Base Unit JPY   Kind JPY/JPY_SWP   NPV   -163.67   Accural   0.00

REC   PAY

Unit JPY   DiscCurve LIBOR&SWAP   Price Curve LIBOR&SWAP   PV 68,314,198.08

Notional   Fixed   Index   Int   Day Count Act/365Fx   OddAmnt   Round@0.00

	A	B	C	D	E	F	G	H	L	M	N
	FL	DateFrom	Date To	Days	Years	PaymDate	Pre Fixing	Fixing	Int Rate	Margin	Weight
1											
2	0	1998/11/25	1999/05/25								
3	0	1998/05/25	1998/11/25	184	0.50411	1998/11/25	########	########	0.017553	0	
4	0	1998/11/25	1999/05/25	181	0.49589	1999/05/25	########	########	0.017553	0	
5	0	1999/05/25	1999/11/25	184	0.50411	1999/11/25	########	########	0.017553	0	
6	0	1999/11/25	2000/05/25	182	0.49863	2000/05/25	########	########	0.017553	0	
7	0	2000/05/25	2000/11/27	185	0.509589	2000/11/27	########	########	0.017553	0	
8	0	2000/11/27	2001/05/25	179	0.490411	2001/05/25	########	########	0.017553	0	
9	0	2001/05/25	2001/11/26	185	0.506849	2001/11/26	########	########	0.017553	0	
10	0	2001/11/26	2002/05/25	180	0.493151	2002/05/25	########	########	0.017553	0	
11											
12											
13											

Controls

Detail

Modify

Update

Print

Close

◉ Rnd ○ Trc   @ 0.01   ◉ Rnd ○ Trc   @ 0.01   Round / Trunc   ◉ Rnd ○ Trc   @ 0.01

Close

FIG.32

FIG.33

<<GRAND CENTRAL>>

File Edit Window Help

Label2

Base Unit JPY   Kind JPY/JPY_SWP   NPV   -163.67 Accrual   0.00

PV 68,314,198.08

REC PAY

Unit JPY   DiscCurve LIBOR&SWAP   Price Curve LIBOR&SWAP

Notional   Fixed Int Index Int Day Count Act/365Fx OddAmnt   Round@0.00

	Q MarginCF_FV	R NonIndexCF_FV	S TotalCF_FV	T TotalCF_PV	U DF
1					
2	0.00	0.00	8,848,484.38	8,825,226	0.997371
3	0.00	0.00	8,704,215.62	8,654,856	0.994329
4	0.00	0.00	8,848,484.38	8,754,035	0.989326
5	0.00	0.00	8,752,305.21	8,602,918	0.982932
6	0.00	0.00	8,944,663.56	8,705,000	0.973206
7	0.00	0.00	8,608,036.44	8,277,685	0.961623
8	0.00	0.00	8,896,573.97	8,429,691	0.947521
9	0.00	0.00	8,656,126.03	8,064,788	0.931686
10					
11					
12					
13					

Controls

Detail

Modify

Update

Print

Close

Close

⊙ Rnd ○ Trc @ 0.01   ⊙ Rnd ○ Trc @ 0.01   Round/Trunc   ⊙ Rnd ○ Trc @ 0.01

FIG.34

<<GRAND CENTRAL>>

File Edit Window Help

Label2

Magic Sheet

Base Unit | JPY | Kind | JPY/JPY_SWP | NPV | -163.67 | Accural | 0.00

Controls

Detail

Modify

Update

Print

REC | PAY

Unit | JPY | DiscCurve | LIBOR&SWAP | Price Curve | LIBOR&SWAP | PV | 68,314,198.08

Index | Fixed | Int | Day Count | Act/365Fx | OddAmnt | Round@0.00

Notional

	A	FL	B	C	D	E	F	G	H	L	M	N
			DateFrom	Date To	Days	Years	PaymDate	Pre Fixing	Fixing	Int Rate	Margin	Weight
1												
2		0	1998/11/25	1998/11/25	184	0.511111	1998/11/25	##########	1998/11/21	0.005156	0	0
3		0	1998/11/25	1999/05/25	181	0.502778	1999/05/25	##########	1999/05/23	0.006085	0	0
4		0	1999/05/25	1999/11/25	184	0.511111	1999/11/25	##########	1999/11/21	0.009665	0	0
5		0	1999/11/25	2000/05/25	182	0.505556	2000/05/25	##########	2000/05/23	0.012868	0	0
6		0	2000/05/25	2000/11/27	185	0.516667	2000/11/27	##########	2000/11/23	0.019342	0	0
7		0	2000/11/27	2001/05/25	179	0.497222	2001/05/25	##########	2001/05/23	0.024225	0	0
8		0	2001/05/25	2001/11/26	185	0.513889	2001/11/26	##########	2001/11/23	0.028961	0	0
9		0	2001/11/26	2002/05/25	180	0.5	2002/05/25	##########	2002/05/22	0.033993	0	0
10												
11												
12												
13												

Close

○ Rnd ○ Trc @ 0.01 ▷ | ○ Rnd ○ Trc @ 0.01 ▷ | Round/Trunc | ⊙ Rnd ○ Trc @ 0.01 ▷

Close

FIG.35

FIG.36

FIG.37

<<GRAND CENTRAL>>

File Edit Window Help

Label2
Label3

Shogun   Book   Swp   Opt   Fut   CtrPty   Usr   Holiday

<<SWAP>>

Primary

[Kind]
FX_USD/JPY   Change Side

[Data Generation]
Business Day Conv
Modified

Centers Today
FRK   1998/05/21
HKG   Spot
LDN   1998/05/25
NY   Effective
PAR   1998/05/25
SYD   Stub
TKY   ___/_
ZUR   Maturity
       1998/05/25

EndEnd   AdjMty

Close

Commodity / Discount
[Rec (+)]
*USD   CCY
LIBOR&SWP

Commodity
DiscCurve

[Pay (-)]
JPY   CCY
LIBOR&SWP

Principal Cash Flows
[Initial Pay (-) / Final Rec (+)]
-
1,000,000,000.00   *USD
+

[Initial Rec (+) / Final Pay (-)]
+
-    135,200,000.00   JPY

135.20

Return Properties (1)   Return Properties (2)   Centers
[Rec (+)]
Notional   Fixed   Var
            JPY
+
Int   %chg   Prx
FX
FL
LIBOR&SWP
30/360   6M*   Non

[Pay (-)]
Notional   Fixed   Var
1,000,000,000.00   JPY
-
Int   %chg   Prx
FX
FL
LIBOR & SWP
30/360   6M*   Non

Index Type
Index Value
Return Curve
DCnt/ CFq/ RFq

Round/ Trunc
Rnd   Trc   @   0.01
Rnd   Trc   @   0.01

FIG.38

FIG.39

<<GRAND CENTRAL>>

File Edit Window Help

Label2

Magic Sheet

Base Unit JPY Kind FX_USD/JPY

NPV 0.00 Accural 0.00

REC PAY

Unit JPY DiscCurve LIBOR&SWAP Price Curve LIBOR&SWAP PV -135,200,000.00

Notional Fixed Index Int Day Count 30/360 OddAmnt Round@0.00

	M	O	P	Q	R	U
	Margin	NotionalAmnt	IndexCF_FV	MarginCF_FV	NonIndexCF_FV	DF
	0	0.00	0.00	0.00	-135,200,000.00	1
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						

Controls

Detail

Modify

Update

Print

Close

Close Round/Trunc Rnd Trc @ 0.01 Rnd Trc @ 0.01

FIG.40

FIG.41

FIG.42

FIG.43

FIG.44

FIG.45

<<GRAND CENTRAL>>

File Edit Window Help

Nikkei Fws JPY / Nik. S (Code 3534353 6425185)

As Of | 1998/05/21

Ground Control

○ Registry
⊙ Update
↳ Save
↵ Load

GEED | Rate Fixer

Curve Yard | Spot Yard | Control

□ PwrGadget
□ Yield
  □ MTM
    ⊞ LIBOR&SWAP (JPY/JPY)
    ⊞ LIBOR&SWAP (*USD/*USD)
    ⊞ DEPO&FUTURE(*USD/*USD)
    — LIBOR&SWAP (DEM/DEM)
    ⊞ LIBOR&SWAP (CHF/CHF)
  ⊞ GPS
□ Price
  □ MTM
    ⊞ USD/JPY Fwd (JPY/*USD)
    ⊞ WTI Fwd (*USD/WTI_bl)
    ⊞ IBM Dividend (*USD/IBM_s)
    ⊞ Nikkei Fwd (JPY/Nik_s)
  ⊞ GPS
    ⊞ USD/JPY Fwd (JPY/*USD)
  ⊞ FUTURES
    ⊞ Vola
    ⊞ Virtual
    ⊞ Unit

Rate on Grid

	Rate	Value Date
spt	15500.0000	1999/05/25
6m	15400.0000	1999/11/25
12m	15550.0000	1999/05/25
2y	15790.0000	2000/05/25
3y	15900.0000	2000/05/25

FIG.46

FIG.47

FIG.48

FIG.49

FIG.50

FIG.51

FIG.52

FIG.53

FIG.54

FIG.55

FIG.56

FIG.57